

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1 to 68. (canceled)

Claim 69. (new) A method for producing ML-236B comprising:

(a) culturing a *Penicillium* host cell having been transformed by a vector comprising a polynucleotide sequence encoding mlcR, wherein said vector does not comprise a polynucleotide sequence encoding at least one of mlcA, mlcB, mlcC, and mlcD and

(b) recovering ML-236B from the resultant culture;
wherein said *Penicillium* host cell is selected from the group consisting of *Penicillium citrinum*, *Penicillium brevicompactum* and *Penicillium cyclopium*;

and wherein mlcR has the amino acid sequence of SEQ ID NO: 42, mlcA has the amino acid sequence of SEQ ID NO: 44, mlcB has the amino acid sequence of SEQ ID NO: 46, mlcC has the amino acid

sequence of SEQ ID NO: 48, and *mlcD* has the amino acid sequence of SEQ ID NO: 50.

Claim 70. (new) The method according to claim 69, wherein the host cell is transformed with a vector comprising a polynucleotide having the nucleotide sequence SEQ ID NO: 41.

Claim 71. (new) A method of manufacturing pravastatin which comprises carrying out the method according to claim 69 and converting the ML-236B to pravastatin.

Claim 72. (new) The method according to claim 69, wherein the polynucleotide encodes a protein consisting of the amino acid sequence of SEQ ID NO: 42.

Claim 73. (new) The method according to claim 69, wherein said *Penicillium* host cell is *Penicillium citrinum*.

Claim 74. (new) The method according to claim 69, wherein said *Penicillium* host cell is *Penicillium brevicompactum*.

Claim 75. (new) The method according to claim 69, wherein said *Penicillium* host cell is *Penicillium cyclopium*.

Claim 76. (new) The method according to claim 69, wherein the polynucleotide is a cDNA.

Claim 77. (new) The method according to claim 69, wherein the polynucleotide is a genomic DNA.

Claim 78. (new) A method for producing ML-236B comprising:

(a) culturing a *Penicillium* host cell having been transformed by a vector comprising a polynucleotide sequence encoding *mlcR*, wherein said vector does not comprise a polynucleotide sequence encoding at least one of *mlcA*, *mlcB*, *mlcC*, and *mlcD* and

(b) recovering ML-236B from the resultant culture;
wherein said *Penicillium* host cell is selected from the group consisting of *Penicillium citrinum*, *Penicillium brevicompactum* and *Penicillium cyclopium*;
wherein *mlcR* has the amino acid sequence of SEQ ID NO: 42;

and wherein said vector does not comprise at least one nucleotide sequence selected from the group consisting of SEQ ID NO: 43, SEQ ID NO: 45, SEQ ID NO: 47 and SEQ ID NO: 49.

Claim 79. (new) The method according to claim 78, wherein said *Penicillium* host cell is *Penicillium citrinum*.

Claim 80. (new) The method according to claim 78, wherein said *Penicillium* host cell is *Penicillium brevicompactum*.

Claim 81. (new) The method according to claim 78, wherein said *Penicillium* host cell is *Penicillium cyclopium*.

Claim 82. (new) A method for producing ML-236B comprising:

(a) culturing a *Penicillium* host cell having been transformed by a vector comprising a polynucleotide sequence encoding mlcR, and

(b) recovering ML-236B from the resultant culture;
wherein said *Penicillium* host cell is selected from the group

consisting of *Penicillium citrinum*, *Penicillium brevicompactum* and *Penicillium cyclopium*;
and wherein mlcR has the amino acid sequence of SEQ ID NO: 42,
and wherein said producing occurs in the absence of a recombinant polynucleotide sequence encoding at least one of mlcA, mlcB, mlcC, and mlcD and wherein mlcA has the amino acid sequence of SEQ ID NO: 44, mlcB has the amino acid sequence of SEQ ID NO: 46, mlcC has the amino acid sequence of SEQ ID NO: 48, and mlcD has the amino acid sequence of SEQ ID NO: 50.

Claim 83. (new) The method according to claim 82, wherein said *Penicillium* host cell is *Penicillium citrinum*.

Claim 84. (new) The method according to claim 82, wherein said *Penicillium* host cell is *Penicillium brevicompactum*.

Claim 85. (new) The method according to claim 82, wherein said *Penicillium* host cell is *Penicillium cyclopium*.

Claim 86. (new) A method for producing ML-236B comprising:

(a) culturing a *Penicillium* host cell having been transformed by pSAKexpR and

(b) recovering ML-236B from the resultant culture;
wherein said *Penicillium* host cell is selected from the group consisting of *Penicillium citrinum*, *Penicillium brevicompactum* and *Penicillium cyclopium*.

Claim 87. (new) A method of manufacturing pravastatin comprising carrying out the method according to claim 86 and converting the ML-236B to pravastatin.

Claim 88. (new) The method according to claim 86, wherein said *Penicillium* host cell is *Penicillium citrinum*.

Claim 89. (new) The method according to claim 86, wherein said *Penicillium* host cell is *Penicillium brevicompactum*.

Claim 90. (new) The method according to claim 86, wherein said *Penicillium* host cell is *Penicillium cyclopium*.

Claim 91. (new) A method for producing ML-236B comprising:

(a) culturing a *Penicillium* host cell having been transformed by a vector comprising a polynucleotide sequence encoding *mlcR*, and

(b) recovering ML-236B from the resultant culture;
wherein said *Penicillium* host cell is selected from the group consisting of *Penicillium citrinum*, *Penicillium brevicompactum* and *Penicillium cyclopium*;

and wherein *mlcR* has the amino acid sequence of SEQ ID NO: 42,
and wherein said producing occurs in the absence of at least one nucleotide sequence from the group consisting of SEQ ID NO: 43, SEQ ID NO: 45, SEQ ID NO: 47 and SEQ ID NO: 49.

Claim 92. (new) The method according to claim 91, wherein said *Penicillium* host cell is *Penicillium citrinum*.

Claim 93. (new) The method according to claim 91, wherein said *Penicillium* host cell is *Penicillium brevicompactum*.

Claim 94. (new) The method according to claim 91, wherein said *Penicillium* host cell is *Penicillium cyclopium*.